

ABSTRACT:

In a further embodiment of the present invention, a method is provided for migrating seismic data. The method comprises determining a travel time; determining a ray-bending correction; determining an amplitude correction; and outputting data based on the travel time, the ray-bending correction, and the amplitude correction.

In an even further embodiment, a system is provided for migrating seismic data. The system comprises means for determining a travel time, means for determining a ray-bending correction, means for determining an amplitude correction, and means for outputting data based on the travel time, the ray-bending correction, and the amplitude correction.

In an even further embodiment of the present invention, seismic data is provided. The seismic data is produced by the method comprising determining a travel time; determining a ray-bending correction; determining an amplitude correction; and outputting data based on the travel time, the ray-bending correction, and the amplitude correction.